

CLAIMS

The following is claimed:

1. A system for checking the integrity of physical connections between a fuel injector assembly and at least one associated wire harness, comprising:
a support portion for supporting the fuel injector assembly; and
at least one gripper mechanism that moves relative to the fuel injector assembly on the support portion, grasps a selected portion of the wire harness and pulls the wire harness in a direction away from the fuel injector assembly to thereby reveal whether a proper mechanical connection between the wire harness and the fuel injector assembly is established.
2. The system of claim 1, including a plurality of gripper mechanisms, the number of gripper mechanisms corresponding to a number of wire harness connections required for the fuel injector assembly.
3. The system of claim 1, including a plurality of holding members associated with the support portion to hold the fuel injector assembly in place.
4. The system of claim 1, wherein the physical connections include a plurality of clips associated with the wire harness, each clip being adapted to engage a corresponding portion on a corresponding fuel injector and wherein the gripping mechanism engages the clip.
5. The system of claim 4, wherein each clip includes a locking member and wherein the gripper mechanism includes a locking surface adapted to urge the locking member into a locked position.

